

***LineUp With Math™* Alignment**
High School Core Learning Goals
Mathematics

Goal 1 Functions and Algebra

The student will demonstrate the ability to investigate, interpret, and communicate solutions to mathematical and real-world problems using patterns, functions, and algebra.

Expectation 1.1

The student will analyze a wide variety of patterns and functional relationships using the language of mathematics and appropriate technology.

Indicators

1.1.1. The student will recognize, describe, and/or extend patterns and functional relationships that are expressed numerically, algebraically, and/or geometrically.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Expectation 1.2

The student will model and interpret real-world situations using the language of mathematics and appropriate technology.

Indicators

1.2.5. The student will apply formulas and/or use matrices (arrays of numbers) to solve real-world problems.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Goal 2 Geometry, Measurement, And Reasoning

The student will demonstrate the ability to solve mathematical and real-world problems using measurement and geometric models and will justify solutions and explain processes used.

Expectation 2.3

The student will apply concepts of measurement using tools and technology when appropriate.

Indicators

2.3.1 The student will use algebraic and/or geometric properties to measure indirectly.

***LineUp With Math™* Activities**

-- Predict and plot the relative motion of two or more airplanes on given paths.